

IAP15 Rec'd PCT/PTO 05 JAN 2006

PATENT  
 Attorney Docket No. 82498  
 Customer No. 23685

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
DAVID GÜTIG	)	
	)	
Serial No.: Unassigned	)	Group Art Unit: Unknown
	)	
I.A. Filed: June 29, 2005	)	Examiner: Unknown
	)	
For: METHOD FOR THE DETECTION	)	Confirmation Number: Unknown
OF CYTOSINE METHYLATIONS	)	
IN DNA BY MEANS OF	)	
CYTIDINE DEAMINASES	)	

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, Applicants disclose the following information:

1. U.S. Patent Application Publication No. 2003/0082600A1, inventors Olek et al., published May 1, 2003;
2. U.S. Patent Application Publication No. 2002/0164743A1, inventors Honjo et al., published November 7, 2002;
3. Pham et al., "Processive AID-catalysed cytosine deamination on single-stranded DNA simulates somatic hypermutation," Nature, 424(6944):103-7 (July 3, 2003);
4. Bransteitter et al., "Activation-induced cytidine deaminase deaminates deoxycytidine on single-stranded DNA but requires the action of RNase," PNAS, 100(7):4102-7 (April 1, 2003);
5. Millar et al., "Five Not Four: History and Significance of the Fifth Base," The Epigenome, edited by S. Beck and A. Olek, Wiley-VCH Verlag GmbH, Weinheim, Germany (2003);
6. Ramsahoye et al., "DNA methylation: biology and significance," Blood Reviews, 10:249-61 (1996); and

7. Ramiro et al., "Transcriptase enhances AID-mediated cytidine deamination by exposing single-stranded DNA on the nontemplate strand," Nature Immunology, 4(5):452-6 (May 2003).

Copies of above document nos. 1-2 are not being provided with this paper since these documents are published U.S. patent applications, for which copies are not required. However, copies of above document nos. 3-7 are being provided with this paper. In addition, all of the above documents are listed on the enclosed PTO Forms PTO/SB/08A and PTO/SB/08B. Applicant respectfully requests that the Examiner consider the above-listed documents and evidence that consideration by making appropriate notations on the enclosed forms.

This submission does not represent that a search has been made or that no better prior art exists and does not constitute an admission that the above-listed documents constitute "prior art."

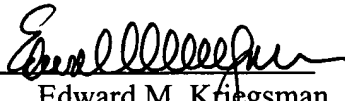
Applicant reserves the right to take appropriate action to establish the patentability of the disclosed invention over the above-listed documents, should the documents be applied against the claims of the present invention.

If there are any fees due in connection with the filing of this paper that are not accounted for, the Examiner is authorized to charge the fees to our Deposit Account No. 11-1755. If a fee is

required for an extension of time under 37 C.F.R. 1.136 that is not accounted for already, such an extension of time is requested and the fee should also be charged to our Deposit Account.

Respectfully submitted,

Kriegsman & Kriegsman

By:   
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Dated: *January 3, 2006*

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	Unassigned <b>10/563484</b>
Filing Date	Herewith
First Named Inventor	David Guetig
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	82498

Sheet

of

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Pham et al., Nature, 424(6944):103-7 (July 3, 2003)	
		Bransteitter et al., PNAS, 100(7):4102-7 (April 1, 2003)	
		Millar et al., "Five Not Four: History and Significance of the Fifth Base," The Epigenome, edited by S. Beck and A. Olek, Wiley-VCH Verlag GmbH, Weinheim, Germany (2003)	
		Ramsahoye et al., Blood Reviews, 10:249-61 (1996)	
		Ramiro et al., Nature Immunology, 4(5):452-6 (May 2003)	

Examiner  
SignatureDate  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor	David Guetia
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Art Unit	Unknown
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Examiner Name	Unknown
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Attorney Docket Number	82498
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## U. S. PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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